

PROJECT: METABOLIC CHANGES IN HUMANS FOLLOWING

TOTAL BODY IRRADIATION

AIMS AND SCOPE:

These studies are designed to obtain new information about the metabolic effects of total body and partial body irradiation so as to obtain a better understanding of these acute and sub-acute effects in human beings.

PARAMETERS STUDIED:

- I. Clinical findings
 - a. History and physical
 - b. Signs and symptoms
 - c. Medications
 - d. Weight (3x week)
 - e. Output

II. Laboratory

a. Hemogram (Counts reported on TPR sheets)

b. SUN

c. Blood cultures

d. Urinalysis

e. 24 hr. urine collections for nucleotides

f. C-reactive protein

g. Immunologic studies - Dr. Hess

h. Miscellaneous lab. tests as necessary

III. Autolopus Bone Marrow Storage

Bone marrow from each patient is aspirated before treatment and stored in our "marrow bank" for re-infusion if the patient's condition warrants it.

IV. Psychological studies - Dr. Louis Gottschalk

***NOTE: Patients on this study will have blood drawn by C. Helferich (ext. 4455) at least every 3 days. If the residents on the case would like additional blood work drawn, please contact the technician.